

School of Medicine Basic Sciences

The School of Medicine Basic Sciences and its partners across Vanderbilt University and Vanderbilt University Medical Center are recognized leaders in basic biomedical science, application, training, and outreach. The school is housed within a top-15 U.S. university and adjacent to a top-12 NIH-funded medical center. The school comprises:

- Four departments: Biochemistry, Cell and Developmental Biology, Molecular Physiology and Biophysics, and Pharmacology. All four departments are in the top five within their respective subject areas in terms of NIH funding. Three are in the top three, and Biochemistry is number one.
- Ten research centers, institutes, and programs.
- Twenty-eight world-class cores with access to over 50 cores across the university and medical center.
- Two hundred fifteen faculty appointed in investigator, educator, or research tracks.
- A leading Ph.D. training program with a strong focus on career development and diversity, resulting in Basic Sciences producing one of the highest percentages of African American biomedical Ph.D.'s in the country.
- Over 1,100 faculty, students, postdoctoral trainees, and staff.

The school exists within VU—separate from VUMC—and has a financial model independent of clinical margin. This allows for sustainable funding with strong and proactive investments into faculty, cutting-edge instrumentation, facilities, people, and projects.

The fundamental research performed in the School of Medicine Basic Sciences is essential to understanding the basis of life and to developing strategies to detect, prevent, and treat human disease.